

Declaration and Power of Attorney For Patent Application

特許出願宣言書

Japanese Language Declaration

私は、下欄に氏名を記載した発明者として、以下の 通 As a below named inventor, I hereby declare that:  
り宣言する：

私の住所、郵便の宛先及び国籍は、下欄に氏名に続  
いて記載した通りであり、

My residence, post office address and citizenship are  
as stated below next to my name.

名称の発明に関し、請求の範囲に記載した特許を求める  
主題の本来の、最初にして唯一の発明者である（一人  
の氏名のみが下欄に記載されている場合）か、若しくは  
本来の、最初にして共同の発明者である（複数の氏名が  
下欄に記載されている場合）と信じ、

I believe I am the original, first and sole inventor (if  
only one name is listed below) or an original, first  
and joint inventor (if plural names are listed below)  
of the subject matter which is claimed and for which  
a patent is sought on the invention entitled

AN ORGANIC ELECTROLUMINESCENT  
DISPLAY DEVICE AND CHEMICAL COMPOUNDS  
FOR LIQUID CRYSTALS

the specification of which  
(check one)

is attached hereto

was filed on \_\_\_\_\_ as  
Application Serial No. \_\_\_\_\_  
and was amended on \_\_\_\_\_  
(if applicable)

その明細書を

（該当する方に印を付す）

ここに添付する。

\_\_\_\_\_ 日に出願番号  
第\_\_\_\_\_ 号として提出し、  
\_\_\_\_\_ 日に補正した。

（該当する場合）

私は、前記のとおり補正した請求の範囲を含む前記明  
細書の内容を検討し、理解したことを陳述する。

I hereby state that I have reviewed and understand  
the contents of the above identified specification,  
including the claims, as amended by any amendment  
referred to above.

私は、連邦規則法典第 37 部第 1 章第 56 条 (a) 項  
に従い、本願の審査に所要の情報を開示すべき義務を有  
することを認める。

I acknowledge the duty to disclose information which  
is material to the examination of this application in  
accordance with Title 37, Code of Federal  
Regulations, § 1.56(a)

Japanese Language Declaration

私は、合衆国法典第35部第119条に基づく下記の外国特許出願又は発明者証出願の外国優先権利益を主張し、更に優先権の主張に係わる基礎出願の出願日前の出願日を有する外国特許出願又は発明者証出願を以下に明記する：

Prior foreign applications

先の外国出願

|                    |                   |                                    |
|--------------------|-------------------|------------------------------------|
| <u>2000-128766</u> | <u>Japan</u>      | <u>28.04.2000</u>                  |
| (Number)<br>(番号)   | (Country)<br>(国名) | (Day/Month/Year Filed)<br>(出願の年月日) |
| (Number)<br>(番号)   | (Country)<br>(国名) | (Day/Month/Year Filed)<br>(出願の年月日) |
| (Number)<br>(番号)   | (Country)<br>(国名) | (Day/Month/Year Filed)<br>(出願の年月日) |

私は、合衆国法典第35部第120条に基づく下記の合衆国特許出願の利益を主張し、本願の請求の範囲各項に記載の主題が合衆国法典第35部第112条第1項に規定の態様で先の合衆国出願に開示されていない限度において、先の出願の出願日と本願の国内出願日又はPCT国際出願日の間に公表された連邦規則法典第37部第1章第56条(a)項に記載の所要の情報を開示すべき義務を有することを認める：

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

| Priority Claimed<br>優先権の主張          |                          |
|-------------------------------------|--------------------------|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Yes                                 | No                       |
| あり                                  | なし                       |
| <input type="checkbox"/>            | <input type="checkbox"/> |
| Yes                                 | No                       |
| あり                                  | なし                       |
| <input type="checkbox"/>            | <input type="checkbox"/> |
| Yes                                 | No                       |
| あり                                  | なし                       |

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

| (Application Serial No.) | (Filing Date) | (現況)   | (Status) |
|--------------------------|---------------|--|----------|
| (出願番号)                   | (出願日)         | (特許済み、係属中、放棄済み) (patented, pending, abandoned) |          |

私は、ここに自己の知識に基づいて行った陳述が全て真実であり、自己の有する情報及び信ずるところに従つて行った陳述が真実であると信じ、更に故意に虚偽の陳述等を行った場合、合衆国法典第18部第1001条により、罰金又は禁固に処せられるか、又はこれらの刑が併科され、またかかる故意による虚偽の陳述が本願なしに本願に対して付与せられる特許の有効性を損なうことがあることを認識して、以上の陳述を行ったことを宣言する。

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issue thereon.

Japanese Language Declaration

委任状：私は、下記発明者として、以下の代理人をここに選任し、本願の手続きを遂行すること並びにこれに関する一切の行為を特許商標庁に対して行うことを委任する。

(代理人氏名及び登録番号を明記のこと)

|                         |        |                    |        |                      |        |
|-------------------------|--------|--------------------|--------|----------------------|--------|
| William H. Logsdon      | 22,132 | Barbara E. Johnson | 31,918 | Lester N. Fortney    | 38,141 |
| Russell D. Orkin        | 25,363 | Paul M. Reznick    | 33,059 | Randall A. Notzen    | 36,882 |
| David C. Hanson         | 23,024 | John W. McIlvaine  | 34,219 | Jesse A. Hirshman    | 40,016 |
| Frederick B. Ziesenhein | 19,438 | Michael I. Shamos  | 30,424 | James G. Porcelli    | 33,757 |
| Richard L. Byrne        | 28,498 | Blynn L. Shideler  | 35,034 | Kent E. Baldauf, Jr. | 36,082 |
| Kent E. Baldauf         | 25,826 | Julie W. Meder     | 36,216 |                      |        |

書類の送付先

Send Correspondence to:

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Pittsburgh, PA 15219-1818

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Direct Telephone Calls to:(name and telephone number)

Russell D. Orkin 412-471-8815

|  |   |
|--|---|
| 唯一の又は第一の発明者の氏名<br>城戸 淳二  | Full name of sole or first inventor<br>Junji KIDO   |
| 同発明者の署名<br> | Date<br>10, 4, 2001<br> |
| 住所<br>山形県米沢市中央二丁目 6 番地 6 号   | Residence<br>6-6, Chuo-2-chome, Yonezawa-shi, Yamagata-ken<br>992-0045 Japan                                |
| 国籍 日本国   | Citizenship JAPAN   |
| 郵便の宛先<br>山形県米沢市中央二丁目 6 番地 6 号  | Post Office Address<br>6-6, Chuo-2-chome, Yonezawa-shi, Yamagata-ken<br>992-0045 Japan                      |

(第二又はそれ以降の共同発明者に対しても同様な情報及び署名を提供すること)

(Supply similar information and signature for second and subsequent joint inventors.)

|   |  |  |
|---|--|--|
| 第二の共同発明者の氏名（該当する場合）<br>仲田 仁                   |  | Full name of second joint inventor, if any<br>Hitoshi NAKADA |
| 同発明者の署名<br><br>仲田 仁                           | 日付<br>10,4,2001  | Inventor's signature<br><br>Hitoshi Nakada                   |
| 住所<br>山形県米沢市八幡原四丁目3146番7号 東北<br>パイオニア株式会社内    | Residence<br>c/o Tohoku Pioneer Corporation, 3146-7,<br>Hachiman-Para, 4-chome, Yonezawa-shi,<br>Yamagata-ken 992-1128 Japan           |  |
| 国籍 日本国  | Citizenship JAPAN  |  |
| 郵便の宛先<br>山形県米沢市八幡原四丁目3146番7号 東北<br>パイオニア株式会社内 | Post Office Address<br>c/o Tohoku Pioneer Corporation, 3146-7,<br>Hachiman-Para, 4-chome, Yonezawa-shi,<br>Yamagata-ken 992-1128 Japan |  |
| 第三の共同発明者の氏名（該当する場合）<br>當摩 照夫                  | Full name of third joint inventor, if any<br>Teruo TOHMA   |  |
| 同発明者の署名<br><br>當摩 照夫                          | 日付<br>10,4,2001  | Inventor's signature<br><br>Teruo Tohma                      |
| 住所<br>山形県米沢市八幡原四丁目3146番7号 東北<br>パイオニア株式会社内    | Residence<br>c/o Tohoku Pioneer Corporation, 3146-7,<br>Hachiman-Para, 4-chome, Yonezawa-shi,<br>Yamagata-ken 992-1128 Japan           |  |
| 国籍 日本国  | Citizenship JAPAN  |  |
| 郵便の宛先<br>山形県米沢市八幡原四丁目3146番7号 東北<br>パイオニア株式会社内 | Post Office Address<br>c/o Tohoku Pioneer Corporation, 3146-7,<br>Hachiman-Para, 4-chome, Yonezawa-shi,<br>Yamagata-ken 992-1128 Japan |  |
| 第四の共同発明者の氏名（該当する場合）<br>村山 竜史                  | Full name of fourth joint inventor, if any<br>Ryuji MURAYAMA   |  |
| 同発明者の署名<br><br>村山 竜史                          | 日付<br>10,4,2001  | Inventor's signature<br><br>Ryuji Murayama                   |
| 住所<br>山形県米沢市八幡原四丁目3146番7号 東北<br>パイオニア株式会社内    | Residence<br>c/o Tohoku Pioneer Corporation, 3146-7,<br>Hachiman-Para, 4-chome, Yonezawa-shi,<br>Yamagata-ken 992-1128 Japan           |  |
| 国籍 日本国  | Citizenship JAPAN  |  |
| 郵便の宛先<br>山形県米沢市八幡原四丁目3146番7号 東北<br>パイオニア株式会社内 | Post Office Address<br>c/o Tohoku Pioneer Corporation, 3146-7,<br>Hachiman-Para, 4-chome, Yonezawa-shi,<br>Yamagata-ken 992-1128 Japan |  |

|   |  |
|---|--|
| 第五の共同発明者の氏名（該当する場合）<br>結城 敏尚                  | Full name of fifth joint inventor, if any<br>Toshinao YUKI   |
| 同発明者の署名<br><br>結城 敏尚                          | 日付<br>(0,4,2001)<br><br>Inventor's signature<br><br>Toshinao Yuki  |
| 住所<br>山形県米沢市八幡原四丁目3146番7号 東北<br>パイオニア株式会社内    | Residence<br>c/o Tohoku Pioneer Corporation, 3146-7,<br>Hachiman-Para, 4-chome, Yonezawa-shi,<br>Yamagata-ken 992-1128 Japan           |
| 国籍 日本国  | Citizenship JAPAN  |
| 郵便の宛先<br>山形県米沢市八幡原四丁目3146番7号 東北<br>パイオニア株式会社内 | Post Office Address<br>c/o Tohoku Pioneer Corporation, 3146-7,<br>Hachiman-Para, 4-chome, Yonezawa-shi,<br>Yamagata-ken 992-1128 Japan |



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Washington, D.C. 20231

JULY 19, 2001

PTAS

WEBB ZIESENHEIM LOGSDON ORKIN & HANSON  
RUSSELL D. ORKIN  
700 KOPPERS BUILDING  
436 SEVENTH AVENUE  
PITTSBURGH, PA 15219-1818



\*101706554A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 04/27/2001

REEL/FRAME: 011757/0123

NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNEE'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNEE:

KIDO, JUNJI

DOC DATE: 04/10/2001

ASSIGNEE:

NAKADA, HITOSHI

DOC DATE: 04/10/2001

ASSIGNEE:

TOHMA, TERUO

DOC DATE: 04/10/2001

ASSIGNEE:

MURAYAMA, RYUJI

DOC DATE: 04/10/2001

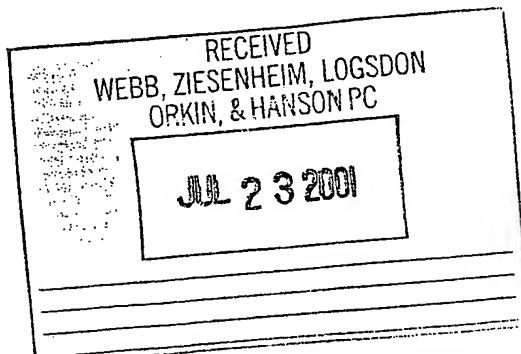
ASSIGNEE:

YUKI, TOSHINAO

DOC DATE: 04/10/2001

ASSIGNEE:

TOHOKU PIONEER CORPORATION  
1105, AZA-NIKKO, OAZA-KUNOMOTO,  
TENDO-SHI  
6  
YAMAGATA-KEN 994-8585, JAPAN



COPY

011757/0123 PAGE 2

SERIAL NUMBER: 09844151  
PATENT NUMBER:

FILING DATE: 04/27/2001  
ISSUE DATE:

MARCUS KIRK, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

# ASSIGNMENT DEED

This assignment is applicable to an invention entitled (Invention Title)  
AN ORGANIC ELECTROLUMINESCENT DISPLAY DEVICE AND CHEMICAL COMPOUNDS FOR LIQUID CRYSTALS.

The PATENT RIGHTS referred to in this agreement are:

(check one)  a patent application for this invention, executed by the ASSIGNOR(S) concurrently with this agreement.

U.S. patent application Serial No. \_\_\_\_\_, issued \_\_\_\_\_.

a U.S. patent application based on PCT International Application No. filed on (date) \_\_\_\_\_ (U.S. patent application serial No. \_\_\_\_\_, if known).

The PATENT RIGHTS also include all divisions, reissues, continuations and extensions of the patents and patent applications identified above.

The PATENT RIGHTS assigned under this agreement are:

(check one)  U.S. patent rights only.

worldwide patent rights. In this case, the assignee shall have the right to claim the benefit of the filing date of any U.S. patent application identified above.

The ASSIGNOR(S) referred to in this agreement is (or are):

(Full name of sole or first inventor) Junji KIDO

(Address) 6-6, Chuo-2-chome, Yonezawa-shi, Yamagata-ken 992-0045 Japan

(Full name of second joint inventor, if any) Hitoshi NAKADA

(Address) c/o Tohoku Pioneer Corporation, 3146-7, Hachiman-Para, 4-chome, Yonezawa-shi, Yamagata-ken 992-1128 Japan

(Full name of third joint inventor, if any) Teruo TOHMA

(Address) c/o Tohoku Pioneer Corporation, 3146-7, Hachiman-Para, 4-chome, Yonezawa-shi, Yamagata-ken 992-1128 Japan

(Full name of fourth joint inventor, if any) Ryuji MURAYAMA

(Address) c/o Tohoku Pioneer Corporation, 3146-7, Hachiman-Para, 4-chome, Yonezawa-shi, Yamagata-ken 992-1128 Japan

(Full name of fifth joint inventor, if any) Toshinao YUKI

(Address) c/o Tohoku Pioneer Corporation, 3146-7, Hachiman-Para, 4-chome, Yonezawa-shi, Yamagata-ken 992-1128 Japan

The ASSIGNEES referred to in this agreement are:

I .(Name of First Assignee) Tohoku Pioneer Corporation

(Address of Assignee) 1105, Aza-Nikko, Oaza-Kunomoto, Tendo-shi, Yamagata-ken 994-8585 Japan

The first ASSIGNEE is:

(check one)  An individual.

A Partnership.

A Corporation of Japan.  
(state or country)

II .(Name of Second Assignee) Junji KIDO

(Address of Assignee) 6-6, Chuo-2-chome, Yonezawa-shi, Yamagata-ken 992-0045 Japan

The second ASSIGNEE is:

(check one)  An individual.

A Partnership.

A Corporation of Japan.  
(state or country)

The ASSIGNOR(S), in consideration of \$1.00 paid by the ASSIGNEE, and other good and valuable consideration, receipt of which is acknowledged, have and do hereby assign the following rights to the ASSIGNEE, its successors and assigns:

the full and exclusive right to the invention;  
the entire right, title and interest in and to the PATENT RIGHTS;  
the right to sue and recover for any past infringement; and  
the right to claim priority under 35 USC 119, based on any earlier foreign applications for this invention.

As to all U.S. patent applications assigned under this agreement, the ASSIGNOR(S) hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue all Letters Patent to the ASSIGNEE as the assignee of the entire right, title and interest, for the sole use and enjoyment of said ASSIGNEE, its successors and assigns.

Further, the ASSIGNOR(S) agree(s) to communicate to said ASSIGNEE, or its representatives, any facts known to the ASSIGNOR(S) respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, substitute, renewal, re-examination and reissue applications, execute all necessary assignment papers to cause any and all Letters Patent to be issued to said ASSIGNEE, make all rightful oaths and generally do everything necessary or desirable to aid said ASSIGNEE, its successors and assigns, to obtain and enforce proper protection for said invention.



(Signature of sole or first inventor) Junji KIDO

10 , 4 , 2001

(Date)



(Signature of second inventor) Hitoshi NAKADA

10 , 4 , 2001

(Date)



(Signature of third inventor) Teruo TOHMA

10 , 4 , 2001

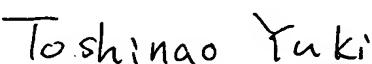
(Date)



(Signature of fourth inventor) Ryuji MURAYAMA

10 , 4 , 2001

(Date)



(Signature of fifth inventor) Toshinao YUKI

10 , 4 , 2001

(Date)



FORM PTO-1595

(Rev. 6-93)

R.

OMB No. 0651-0011 (exp. 4/94)

Tab settings → → → ↓

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U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

## PATENTS ONLY

U.S. PTO  
09/844151

04/27/01

To the Assistant Commissioner for Patents:  
Please record the attached original documents or copy thereof.

## 1. Name of conveying party(ies):

Junji KIDO  
Hitoshi NAKADA  
Teruo TOHMA  
Ryuji MURAYAMA  
Toshinao YUKI

Additional name(s) of conveying party(ies) attached?  Yes  No

## 3. Nature of conveyance:

- Assignment  Merger  
 Security Agreement  Change of Name  
 Other \_\_\_\_\_

Execution Date: April 10, 2001

## 4. Application number(s) or patent number(s):

If this document is being filed together with a new application,  
the execution date of the application is: April 10, 2001

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached?  Yes  No5. Name and address of party to whom correspondence  
concerning document should be mailed:

Name: Russell D. Orkin

Internal Address: Webb Ziesenhein Logsdon

Orkin &amp; Hanson, P.C.

Street Address: 700 Koppers Building

436 Seventh Avenue

City: Pittsburgh State: PA ZIP: 15219-1818

6. Total number of applications and  
patents involved: 1

7. Total fee (37 CFR 3.41) ..... \$ 40.00

 Enclosed Authorized to be charged to deposit account

## 8. Deposit account number:

(Attach triplicate copy of this page if paying by deposit account)

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## 9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy  
is a true copy of the original document.

Russell D. Orkin, Reg. No. 25,363

Signature

April 27, 2001

Date

Name of Person Signing

Total number of pages including cover sheet, attachments and document 3

Mail documents to be recorded with required cover sheet information to:  
Assistant Commissioner for Patents, U.S. Patent and Trademark OfficeV02/2001 VTRUONG1 00000026 09844151 Office of Public Records, Crystal Gateway 4, Room 335  
Washington, D.C. 20231

FC:581

40.00 (P)